



The Raleigh Amateur Radio Society's **EXCITER**

GET INVOLVED

- RARS General Membership meeting: Second Tuesday of the month.
- The RARS net meets every night except Saturday @ 8 p.m. on 146.640.
- The RARS Technical & Trader's net: Saturdays @ 8:00 PM on 146.64.
- RARS meets for a monthly dinner on the First Tuesday of each month.



PUBLIC SERVICE EVENTS

Interested in helping? Visit <https://www.rars.org/public-service.php>

frequently for our 2019 ham public service schedule.

RARS General Meeting

Topic: Blue Ridge Microwave Society

Presenter: Dr. Dennis Sweeney, WA4LPR
and Stan Dillon, K4RCA

Date: February 11, 2020

Time: Meeting at 7:30 PM

Informal gathering and refreshments from 7 - 7:30 p.m.

Where: Ridge Road Baptist Church. 2011 Ridge Rd., Raleigh

New HAM meeting, 6:00 p.m. before member meeting
Tadd Torborg, KA2DEW, New Ham Meeting Coordinator

[Click here for more information.](#)

President's Comments

The North Carolina QSO Party, a RARS sponsored event, will take place March 1st this year. I've often enjoyed working HF during other states' QSO party, and this year I'm looking forward to working my own state. The South Carolina QSO Party will be February 29, so we Carolinians have back-to-back parties to work.

This year there is a "Spelling Bee" of seven special event stations with 1 by 1 call signs that spell "TARHEEL." Contact

[Continued on page 4](#)

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The Raleigh Amateur Radio Society

The Raleigh Amateur Radio Society, Inc. (RARS) was founded in 1969 and continues to serve and support the amateur radio community in the greater Triangle area. In 1999, the society incorporated a new RARS and obtained 501(c)(3) non-profit tax status.

The objectives of the club are to promote worldwide friendship through amateur radio; to be of public service by providing radio communications in times of disaster, emergency, or civic needs; to educate members in radio technique, and to provide training classes to assist in obtaining amateur radio licenses.

Anyone interested in amateur radio is eligible to apply for membership. Dues for regular licensed amateurs are \$18 per year (from July 1 through June 30). Additional immediate family members pay \$5 each per year. Dues for licensed amateurs older than 59 or younger than 16 are \$12 per year. Dues for non-licensed associate members are \$9 per year. Applications for membership may be obtained from the treasurer or on the RARS website (www.rars.org).

Exciter

The Exciter is the official newsletter of the Raleigh Amateur Radio Society. It appears each month as a PDF on the RARS website at www.rars.org. Members receive email notification when the latest version is available. Please provide your email address to the Treasurer.

The Exciter welcomes articles, advertisements, and other contributions. To submit a piece to the newsletter, please contact the Editor. The Editor reserves the right to edit any and all pieces. The submission deadline for each month's Exciter is the Saturday that is ten days before the general meeting. All submissions must be final. Drafts are not accepted.

The views expressed in the Exciter are those of the individual authors and do not necessarily reflect the views of the Editor or RARS.

Tom Lewis, N4TL, editor (editor@rars.org)

For Your Information

RARS General Meeting

Date: Second Tuesday of each month

Location: Ridge Road Baptist Church 2011
Ridge Road Raleigh, NC, 27607

Time: People begin arriving at 7 p.m. The
meeting officially begins at 7:30 p.m.

RARS Monthly Dinner

All members and guests are welcome to the monthly (first Tuesday) RARS Supper, 6:30PM, at the IHOP Restaurant, 7471 Six Forks road, 27615. Its on the corner of Six Forks road and Sawmill Road, 6:30 PM to 8PM They have a room for us that is to the left when you enter the restaurant. Informal and Dutch, just bring your appetite and best rag to chew.

RARS Repeaters in Raleigh

146.640 and 444.525

Join us for the nightly RARS net at 8 p.m. on the 146.640 repeater. All hams holding a Technician class license or higher are invited to check in. We welcome both RARS and non-RARS members to the net.

There is a net Listing on the RARS website click here. <https://www.rars.org/nets.php>

VE Testing

The RARS VEs will accept walk-in testing in February, May, August and November at 5:30PM, prior to RARS membership meetings at Ridge Road Baptist Church; the RARSfest in April; the Cary Swapfest in July; the JARS-Fest in November; and following RARS license classes. Please bring a photo ID, your original and a copy of your current license, your \$14 exam fee, and any valid CSCEs that prove passing elements beyond that of your current license. Visit <https://www.rars.org> for more information.

January 2020 RARS

Net Monthly Summary

Checkins: 535

Traffic Brought/Passed: 10/10

Minutes: 1034

Sessions: 31

Quarterly 10 Meter Net

Checkins: 20

Minutes: 75

Sessions: 1

Virginia Enzor NC4VA

RARS Net Manager

DoD MARS

MARS COMEX Information Website

If you want to let the DoD know how well you receive WWW, fill out the survey on this website.

<http://www.dodmars.org>



Presidents Comments continued

stations N4T, N4A, N4R, N4H, N4E, W4E, and N4L for bonus points. Check out the rules, news, and other information at the QSO Party web site, <http://ncqsoparty.org/>

There are many other fun activities for club members and friends to plan for in the coming months.

Volunteers for upcoming public service opportunities can sign up now. I plan to work the Odyssey of the Mind tournament again this year. This tournament uses Ham operators instead of messengers to communicate between all the different rooms where the tournament is held. I volunteered last year and had a ball. (Got a free t-shirt, too.) Check out this and other Public Service opportunities at the RARS web site.

Though April 11 seems a long way off, planning for RARS*fest* and the ARRL Roanoke Division Convention has been under way for a few months now. It isn't too early to sign up to volunteer for a couple of hours or as much time as you want. The volunteer opportunities are on the RARS web site. Press the RARS*fest* button on the left, and then press "Home" and "Volunteer Here" at the top of the page.

There is also a page to register items you want to sell at the club table. The "Members Sales" link is just below the "Volunteer Here" link.

Tickets to attend RARS*fest* are already on sale at the RARS web site. There will be license exams in the morning and sessions of interest to every Ham, such as DMR/D-STAR, Fox Hunting, Satellite Communications, Skywarn, and a DIY table for building a portable 2-meter J-Pole (where I plan to volunteer.)

As always, there are the regular club social events, such as nightly nets on 146.64, the RARS dinner at IHOP on Six Fork on the first Tuesday of the month, and Taco Thursday at Taco Bell on Route 64 in Knightdale every Thursday at 11:30. The calendar on the RARS web site has these and many other events and meetings. We like seeing new faces and hearing new voices on the air!

John Honeycutt, N8ZU

RARS January Meeting



Past President: Carl Davis, W8WZ, (on the right) passing the gavel to the current President: John Honeycutt, N8ZU



Kathy Wiandt, N4KLW and Larry Wiandt, N4LEW received the RARS Sixty-Four on Six-Four Award from RARS Net Manager Virginia Enzor NC4VA during the January 2020 meeting. Congratulations to both of them on their outstanding accomplishment!!

RARS January Meeting Presentation



Dr. Bob Conder, K4RLC talking about a number of mini-DXpeditions that he has participated in.

DXpeditions in the western and eastern Caribbean with the Medical Amateur Radio Council, May & Oct 2019

Dale & Bob going up Piton mountain in St Lucia with 25 lbs of radio gear.



RARS January Meeting



A few pictures from
Bob's presentation.

Tri-birder Vertical



January Membership Meeting, Door Prize Winners



Darrell Gordon, W4CX; Chuck Till, K4RGN; Bill Mars, AK4BL; Wallace Smith, KJ4UKV

WE WANT YOU!

RARS is mounting a youth outreach campaign and we need your help! We need volunteers to bring the excitement of amateur radio to youth in Wake County. We will be reaching out to numerous youth-serving organizations to offer radio-oriented STEM programming. Our goal is to license new youth operators and give them the tools they need to fully explore the hobby. If you have ever been a Girl Scout, Boy Scout, 4-H member, or a curious child, please consider joining us to pay it forward. No need to be an expert, we want you to share your technical curiosity. Contact Brantley (K4CBW, good on QRZ) for more information. I look forward to hearing from YOU!

Brantley, K4CBW

RARS Birthdays

Rick	KN4ORA	02/01
Sue	W2GHK	02/02
Jonathan	KN4EVA	02/02
Selene	KG4RMT	02/03
LOS	AF0AA	02/03
Lillian	KC4AYH	02/04
Artie	KC2JFU	02/05
Grady	KJ4RZU	02/05
Craig	N4WV	02/06
Chris	KM4RJQ	02/06
Kevin	KN4CDH	02/07
Larry	N4LEW	02/07
Bill	KN4IX	02/08
Yo Yoon	KD1AB	02/10
Greg	KN4DRP	02/13
Tom	N4TL	02/13
Dennis	WZ0Q	02/13
Tony	K1OC	02/14
Steven	KD4STA	02/14
Kathy	N4KLW	02/15
Roy	KT4EM	02/15
Dick	WW4NC	02/16
Dave	KK4ELT	02/16
Jim	W2PAU	02/16
Mike	N4BRS	02/16
Tyler	KM4KRU	02/16
Garth	KJ4GQW	02/17
Warren	WM2Z	02/18
Howard	N4KYW	02/19
Roger	K4KDX	02/20
Joe	N1LVN	02/21
Nadia	KO4ADV	02/21
Israel	NC4IP	02/21

*Everyone is
welcome!*



11:30 AM every Thursday a group of Hams get together for Lunch at Taco Bell. The address is 7036 E Hwy 64 Knightdale, 27545. 1.2 miles east of I540.

Charlie	WA3UTC	02/24
Joe	W4TTO	02/25
Bob	WX4MMM	02/26
Carl	W8WZ	02/26
Greg	K4RAX	02/28
Mary	KG4OQA	02/28
Kathleen	KM4CSF	02/28

New Members

Jeremy Lindsley	KB4JDL
Wally Smith	KJ4UKV
Sheri Davis Zimmer	KN4ZYG
Kirk Starlein	KM4RHF

*New HAM meeting, 6:00 p.m. before the
member meeting*

Tadd Torborg, KA2DEW, New Ham meeting Coordinator

The New Hams meeting is held every month before the regular RARS meeting. We'll try to start by 6pm. We try to address topics in a manner that will be of help to hams in their first year of operation.



During the new hams meeting in January, a station was setup in the meeting room. A vertical antenna was setup outside. Tadd went to a different location and SSB and FM contacts were made. It showed the new hams the differences between the two modes.

Some of the guests also got first exposure to how conversations were started, and how identification was handled. We also demonstrated picket fencing and had several discussions including SSB vs AM vs FM practical behavior, spectral behavior, and efficiency. We talked about antennas, mounts, coax, simplex, repeaters. Several of the attendees got on the air, though I'm not sure how many made first contact in this session.

Next month we'll either do hands soldering and whatnot, or punch a hole in somebody's car roof.

Tadd - KA2DEW

Future Hamfests

A full list of Hamfests can be found at the
[ARRL website.](#)

03/13/2020 | Charlotte Hamfest, ARRL North Carolina Section Convention 2020

Location: Concord, NC
Type: ARRL Convention
Sponsor: Mecklenburg Amateur Radio Society
Website: <http://www.charlottehamfest.org>

04/11/2020 | Raleigh Hamfest, ARRL Roanoke Division Convention

RARSfest

Location: Raleigh, NC
Type: ARRL Convention
Sponsor: Raleigh Amateur Radio Society
Website: <http://rarsfest.org>

Six-Meter nets

There are three Six-Meter nets in the Raleigh area each week.

1. Monday at 7PM local time is an AM net on 50.400. Charley WA3UTC runs this one.
2. There is a six-meter FM net every Wednesday at 8:30 PM. The net is held on the K4ITL 6M repeater. The receive frequency is 53.03 and the transmit frequency is 1 MHz lower on 52.03. There is no tone so any FM rig should work. This information came from Tadd KA2DEW.
3. There also is a net on Saturday mornings at 8AM on 50.200 Upper Sideband. Information from Roger, KD4MYE.

73 Tom N4TL

RARS *fest* 2020

Tickets

Pre-Registration \$9.00

At Door: \$10.00

- Huge All Indoor Flea Market with 230+ Tables.
 - Commercial dealer booths.
 - Door Prizes.
 - Walk-In License Exams.
-
- Hands-On You-Build-It Project Table.
 - Meetings and Forums.
 - QSL Card checking for ARRL and CQ awards.
 - Indoor Fox Hunt.
 - Satellite Communications Demonstration
-

100,000 SQ Foot INDOOR

April 11th
8am-3pm



RARS*fest* NEEDS YOU

RARS members please volunteer a few hours or more at one of areas listed on the RARS website.

<https://www.rars.org/helpwanted.html>



RARS*fest* - Member Sales Table



The Member Sales Tables provides a way for RARS members to sell their personal equipment, and still support RARS*fest*. The staff at the Members Sales Tables take care of selling the equipment while the owners work at other RARS*fest* tasks.

RARS*fest* volunteer workers: Register your items for the Member Sales Table [HERE](#)

Two Aviation Museums

Brian, KN4R, sent this in.

I had the opportunity to visit the Hickory Aviation Museum for the first time recently

Super nice guys running and volunteering at this museum - "Boats", Keith, Gary, and others! They really love visitors and give a terrific personalized tour...

The museum has a special relationship with The Naval Aviation Museum in Pensacola which owns all (most?) of the aircraft.

Here are some pics I took while there:

<https://drive.google.com/open?id=1kBudVQouoCSq5t5B5QRABYQBndQ7bSmk>

Brian also sent this one

National Museum of the Mighty 8th Air Force

<https://drive.google.com/open?id=19AMGe5ErV8jhVr-APSHNQNI53oVg9Ee>

I hope you enjoy the pictures...

best, Brian, KN4R

Future RARS Meeting Topics

Titles, topics, and speakers subject to change.

2/11/2020	Blue Ridge Microwave Society	Dr. Dennis Sweeney, WA4LPR & Stan Dillon, K4RCA
3/10/2020	Awards, RARS Birthday Party & RARSfest Update RARSfest date April 11th	RARSfest Chair Tara Goodwin W4TSW
4/14/2020	80 foot tower installation with 40/30 Optibeam	Dave Wood, W4EJ

<https://www.rars.org>

North Carolina Packet

NCPACKET.net is the web page of a group in North Carolina who is attempting to build a large digital network entirely on ham radio and with no automatic cross-overs to the Internet.

NCPACKET proposes that new ham retention, young ham attraction, and older ham engagement could all be enhanced by working together on an off-the-grid (i.e. ham-radio) **social-media-network** based entirely on low cost systems running in our homes and linked using cheap commercial surplus VHF and UHF radios. Hams in the network do a live chat where everybody can type and have a round table conversation across a wide area.

The group is using the tools created by Terrestrial Amateur Packet Radio network, or TARPNet, which has created a shopping list and recipe for building general purpose packet nodes.

NCPACKET wishes to expand on its 25 existing stations and stretch across a meaningful (and excitingly large) portion of North Carolina in 2020. The group has been at it for several years and already has 25 stations in 5 counties, Granville, Wake, Durham, Orange and Alamance.

Joining the NCPACKET effort is easy. Go visit their website NCPACKET.net and sign up for the email reflector. Check out the maps and see who is already within your simplex range. Write an email to the group and announce your interest. The TARPNet website has details on construction.

Check out the youtube video showing the user interface everybody on NCPACKET uses:
<https://www.youtube.com/watch?v=1I9RJdT0bA>

Tadd Torborg, KA2DEW,

First Electronic Digital Computer

The first electronic digital computer was [Colossus](#) which was built at [Bletchley Park](#), Great Britain in 1944. It was used to break the complex Lorenz cipher that was used by Germany during WWII. A rebuild was done between 1993 and 2008. That machine is on display at Bletchley Park and is [demonstrated](#) for visitors. It uses paper tape and vacuum tubes.

Recently, after watching Doctor Who on TV, I did some reading about [Charles Babbage](#) and [Ada Lovelace](#). They both had ideas about computing but were born long before the invention of electronic components. I found a Timeline of Computer History at this website. <https://www.computerhistory.org/timeline/computers/>

According to that website, a relay computer before the Colossus was the [Z3](#) built by Konrad Zuse. The original Z3 was destroyed during WWII. A fully functioning replica has been built and it is on display at the [Deutsches Museum](#) in Germany.

Who knew watching Doctor Who would be so educational.

73 Tom N4TL

North Carolina QSO Party

Sunday March 1st, 2020, 10am To 8PM EST

For the latest information on the QSO party, see the full details at this website.

<http://ncqsoparty.org/>

South Carolina QSO Party

Saturday, 1500Z February 29th to 0159Z March 1st.

Full details at this website, <http://scqso.com/>

<https://www.rars.org>

“What Can I Do to Grow the Ham Radio Hobby?”

I'm back into Ham Radio after many years of being out and I love it even more now!

I live in Raleigh, NC where I'm self-employed with wife Barbara KI4GUM. As an only child, it fell to me to care for my parents, who lived in DC. A few years ago they peacefully passed in their home, and about that time I remembered how much I enjoyed Ham Radio. As I was driving to a family reunion near Allentown, PA with my friend who helps me drive each year, Paul Apollonia, N3GCA, who is a Ham from Philadelphia, the subject naturally came up.

We stopped in HRO to buy an ICOM ID-51A because I wanted a radio that could do digital and they said that D-Star was more active on the east coast. Then I found out that we don't have a D-Star repeater working in this area yet (fingers crossed). Check out my video “Getting Back Into Ham Radio” <http://bit.ly/backintohamradio>.

When I returned to the hobby I realized I wanted to do my part to help grow Ham Radio participation in productive ways. My business keeps me extremely busy so whenever I leave the house I need to make money. I decided the best way for me to fulfill this commitment is by applying my Success Coaching and marketing skills.

I am enjoying myself immensely helping people pass their various Ham exams, expanding awareness of the hobby and encouraging constructive use of Ham Radio. Yes, in our current world, people are on their cell phones a lot and yes, there are probably a thousand ways Ham Radio is not what it “used to be,” but continuing to lament these facts won't make any difference.

For myself, a more effective approach is to ask: “what can we each do today to promote this hobby that we love so much?” In order for Ham Radio to continue flourishing, we must make peace with the existence of social media and smartphones. Almost 3 and a half billion people now use social media, the majority of them on their smartphones, which is about 3/7th of the entire planet. Instead of complaining, I say let's put social media to work *for* us by using it to collect new members and to share the value of Ham Radio. Here are the actions I've taken thus far:

My Ham Radio Youtube channel, with 200 subscribers: <http://bit.ly/backintohamradio>

My Facebook page, started on Dec 8, 2019, with over 1800 likes: <https://www.facebook.com/ki4cfs>

My Learning Ham Radio FB group with over 160 members (started in December) <https://www.facebook.com/groups/LearningHamRadio/> and

My website for relevant resources and content <http://KI4CFS.com>

You may wonder if I'm getting paid somehow for these actions, or what's in it for me. I have multiple answers: for one, I get a personal high from the idea that I might be able to make a difference in Ham Radio on a global level. I have invested about \$300 of my own money to get started, now I need to invest only my time and attention.

If I'm ever selling a product, it would be just for personal fun--I will only put it on my website - KI4CFS.com (I would never mention it on the air or put it on my other Ham Radio sites). If I am given any products to review, I will fully disclose the relationship I have with that product's seller. I aim to keep my participation with Ham Radio pure.

My mission is the constructive global growth of Ham Radio today! If you have a similar mission I'd like you to join me. If we don't use it we will lose it! I know that there are a lot of great aspects to Ham Radio today that could enhance the lives of people of all ages no matter where they live. I believe that if something good happens in Ham Radio and you

don't share it online then you are acting as if nothing good happened. I also believe that if you listen without at least sharing your call sign then you are robbing us all of your company and if you don't talk, your wisdom, plus you are robbing yourself of the benefits of connecting with others.

It is our responsibility to let the world know what is fun, useful and beneficial about Ham Radio; it is not the world's responsibility to discover it on its own. If you don't hear anyone on the airways that is because YOU are not speaking. Please at least try to put out a long and clear call mentioning the frequency.

Want to help me directly? Offer to let me interview you on some educational topics for the Youtube channel. Visit my web pages and like, share or comment there. Share any relevant content you think has value.

For those of you who find yourselves talking about how it used to be, cut it out! Instead, ask yourself what you can do today to support this great hobby. Keep taking action in a positive direction. One more update, I just passed my Extra exam. That was hard.

You may enjoy my article, "What Can I Do to Grow the Ham Radio Hobby?" <http://bit.ly/growhamradio>

Thanks
Martin Brossman
KI4CFS, 73



Upcoming DXpedition

If you need South Orkney for a new country, watch this website.

<https://sorkney.com/>

and others <https://dxnews.com/dxpeditions/>

<https://www.rars.org>

The following information was sent to the Exciter by Carl Davis, W8WZ.

Some members might want to do this Ham Radio cruise.

***My Pin Money Travel, LLC Announces
It's Seventh Amateur Radio Cruise***

MPMT'S HAM RADIO CRUISE 7

On the Carnival Vista January 23, 2021 for 7 Days

The perfect gift for the “hard to buy for” person.

Great vacation with family and friends

Planned activities onboard include seminars conducted during days at sea, working Maritime Mobile on two ship installed HF stations with DX for all licensed amateurs and all the fun of a Carnival Cruise! Special arrangements have been made with Carnival Cruise Lines for two HF operating stations and antennas. Cruise round trip from Galveston, Tx. to Jamaica, Grand Cayman and Cozumel



Only 50 cabins reserved. Book quickly - don't miss the great prices & extras!*

Prices were deleted because Carnival does not allow prices to be posted online or published.

(Suites available by special arrangements.)

**DEPOSIT of \$250 PER PERSON DUE AT BOOKING
in order to assign your stateroom.**

***Each stateroom also receives a \$25 onboard credit,
bottle of wine and 2 tote bags.**

**TRAVEL INSURANCE IS Optional,
BUT HIGHLY RECOMMENDED.**

Cruise offered EXCLUSIVELY through Debbie Rumfield, N5DSR
with My Pin Money Travel, LLC (MPMT) who can be reached at mypinmoneytravel@yahoo.com or by
telephone at 832-656-0731.

This event is organized by Lance Rumfield, WD5X, in an effort to offer amateurs the ability to enjoy the rare opportunity of operating at sea while participating in a terrific vacation.

Operating Details as planned:

Two Kenwood TS-480 HX (or similar) HF mobile transceivers with two screwdriver antennas will be provided. Screwdrivers will be installed on ship's aft railing. Stations and antennas will be on opposite sides of the ship at the stern. Bring your own keys, headphones, computers, interfaces, etc!!! Signal Link adapter will be provided. (Sorry - no personal HF operation or external antennas of any kind will be allowed from individual staterooms, balconies, or public areas.)

Personal Handi-Talkies may be used on the Carnival Vista while at sea!!!

Special permission to operate onboard the Carnival Vista is being arranged as long as proper licensing is obtained and formal agreements between Carnival and My Pin Money Travel are acknowledged and followed. Please note: The Captain reserves the right to limit or prohibit any amateur operations at his discretion.

Amateur operation will be while in U.S. or international waters.

Licensing Requirements:

If you wish to operate a station or handheld while on board, copies of the following documents must be submitted to Debbie Rumfield at My Pin Money Travel, LLC six months before sailing date as Carnival requires these documents be submitted for the entire group before final payment date.

- 1) Copy of valid U.S. amateur license
- 2) Copy of an IARP (available from the ARRL) that is valid for this cruise date.

Please consider joining us in 2021. We have had a great time on our past six ham cruises and look forward to a repeat event!!!!

Note: Only licensed amateurs who are participants of this limited opportunity group event will be allowed to operate the above referenced amateur equipment while on the Carnival Vista.

NOTE: U.S. Customs recommends all
cruise passengers possess a valid
U.S. passport in order to board the ship!!!!!!

RARS Classifieds

Copied from <https://www.rars.org/classifieds.php>

The items below were listed within the last 30 days on the RARS website.

Yaesu FT-470 Dual Band (APEX 100.00)

Posted January 23rd, 2020 by: W4TSW

Contact: tarakm4zsz@gmail.com

Seller: Phil Zaleskin contact 919-434-4966 Text Preferred

Yaesu FT-470 dual band (2m, 440cm) handy talkie

Includes radio, 2 battery packs/2 transformers, 1 drop in charger/transformer, leatherette case, 2 dummy loads, 2 rubber duckies, speaker/mic. and original manual

The radio has not been used for a minimum of 5 years. It does power up, but the larger battery pack should be rebuilt (I opened it up once thinking I'd replace the batteries - wasn't holding a charge - but replacing them was a bit over my head (I don't do well with soldering guns)). The smaller pack does work but a new set of batteries wouldn't be a bad thing.

Other than that it does power up, I'm not sure if it's actually working or to what degree it's not. It does scan on both bands, and gets a good amount of noise, but none of the stations came in clear. It shows as transmitting with a dummy load, but of course that won't hit a repeater.

Basically, it's best for someone who's good at tinkering with the hardware ... but I do think it'll perform well once it's had a good once over and cleaning.

RCA TYPE 44-BX VELOCITY MICROPHONE (Ribbon Microphone)

Posted January 8th, 2020 by: NC4JP

Contact: nc4jp@petersonpiano.com

Estate sale:

See details here:

<http://www.petersonpiano.com/rcamicrophone.pdf>

Raleigh Amateur Radio Society

The December board meeting was canceled

RARS Membership Meeting Minutes – January 14, 2020

Ridge Road Baptist Church
2011 Ridge Road
Raleigh, NC

Carl Davis implemented a new tradition for the club. A ceremonial gavel will be passed from the exiting president to the newly elected president.

The meeting was called to order, by President John Honeycutt (W8WZ), at 7:19 p.m. The pledge of allegiance was recited.

John called for visitor Introductions.

A quorum was present and the December minutes were approved.

Officer Reports:

President:

Presented the Treasurer's report in Greg's absence.

The next RARS dinner will be held at IHOP, Feb. 4. at 6:00.

The next Board meeting will be Feb. 18, and is open to all members.

Vice President:

The next club meeting will be a presentation by Dr. Dennis Sweeney, WA4LPR & Stan Dillon, K4RCA, members of the Blue Ridge Microwave Society.

Secretary:

Mark read a thank you note from Julie Royster, KT4JR in her appreciation to the club gifts, in memory of the passing of her husband, Larry Royster, NC4LR this past year.

RARS Members meeting minutes continued

Door Prizes:

Winners of this months door prizes.

Wallace Smith, KJ4UKV

Bill Mars, AK4BL

Chuck Till, K4RGN

Darrell Gordon, W4CX

New HAM Meeting:

Tadd Torborg and Doug Wall demonstrated the effective distance between SSB and FM modes of simplex radio communication.

Director and Committee Reports:

Net Manager, Virginia Enzor

Virginia presented "Sixty-Four on Six-Four Awards" to Kathy and Larry Wiandt, and noted that Kathy and Larry are the first couple to receive the award. Kathy and Larry gave tips or those who want to pursue the award.

Director at Large, Alan Pitegoff:

Alan will host the next quarterly 10 meter net, Jan. 18 after the 146.640 net.

Director at Large, Tadd Torborg:

The weekly TARPEN lunch is held at Shaba Shabu every Friday at 11:30 More information is available at ncpacket.org.

Program:

Tom Lewis introduced Dr. Bob Condor. Bob gave a presentation entitled:

DXpeditions in the western and eastern Caribbean with the Medical Amateur Radio Council, May and Oct 2019.

The meeting adjourned at 9:00 PM.